

AN/PAS-13 Thermal Weapon Sight



The AN/PAS-13 Thermal Weapon Sight (TWS) family enables individual and crew served weapon gunners to see deep into the battlefield, increase surveillance and target acquisition range and penetrate obscurants, day or night. The TWS uses forward-looking infrared (FLIR) technology and provides a standard video output for training, image transfer or remote viewing.

The TWS family comprises three variants:

- AN/PAS-13(V)1 Light Weapon Thermal Sight (LWTS) for the M16 and M4 series rifles and carbines as well as the M136 Light Anti-Armor Weapon.
- AN/PAS-13(V)2 Medium Weapon Thermal Sight (MWTS) for the M249 and M240B series medium machine guns.
- AN/PAS-13(V)3 Heavy Weapon Thermal Sight (HWTS) for the squad leader's weapon M16 and M4 series rifles and carbines, M24 and M107 Sniper Rifles, M2 HB and MK19 machine guns.

Each is a silent, lightweight, compact, durable, battery-powered thermal sight.

Performance Characteristics

Target Recognition Range: HWTS: 2200 meters; MWTS: 1100 meters; LWTS: 550 meters

Weight (TWS I/TWS II): HWTS: 5.3/3.9 pounds; MWTS: 5.0/2.8 pounds; LWTS: 3.0/1.8 pounds

Operational Time:

TWS I: HWTS/MWTS: 6.4 hours (BA-5347/U) or 4 hours (BB-2847A/U rechargeable)
LWTS: 10.5 hours (8 Lithium AAs)

TWS II: HWTS/MWTS: 6.5 hours (6 Lithium AAs)
LWTS: 5 hours (4 Lithium AAs)

Field of View: HWTS: ≥ 3 degrees/9 degrees (narrow/wide)
MWTS: ≥ 6 degrees/18 degrees (narrow/wide)
LWTS: ≥ 15 degrees

Magnification: HWTS: 10x/3.3x (narrow/wide)
MWTS: 5x/1.66x (narrow/wide)
LWTS: 1.55x



Light Weapon Thermal Sight (LWTS)



Medium Weapon Thermal Sight (MWTS)



Heavy Weapon Thermal Sight (HWTS)